



OXYVINYLS® PVC HOMOPOLYMER SUSPENSION (PRIME GRADES)

MSDS No.: M40722

Rev. Date: 07/17/2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:

Oxy Vinyls, LP 5005 LBJ Freeway Suite 500, LB 30 Dallas, Tx 75244-6123

24 Hour Emergency Telephone

Number:

1-800-733-3665 or 1-972-404-3228 (U.S.); \$2.3.575.55.55 (Europe);

1800-033-111 (Australia)

To Request an MSDS:

Customer Service:

MSDS@oxy.com or 1-972-404-3245 1-800-752-5151 or 1-972-404-3700

Trade Name:

OxyVinyis® 155, 155F, 185, 185F, 190F, 195, 195F, 200, 200F, 216, 216A 220 (220F) 225, 225A, 225P, 226, 226F, 240 (240F), 240TH, 255, 255 355) 450F, 500, 500F

Synonyms:

Polyvinyl chloride

Product Use:

Vinyt fabrication

2. HAZARDS IDENTIFICATION

White

Color: Physical State:

Appearance:

Powder, Granular

WARNING Signal Word:

MAJOR HEALTH HAZARDS: FUMES PRODUCED IN PROCESSING MAY IRRITATE RESPIRATORY TRACT, SKIN AND EYES. POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A CANCER-SUSPECT AGENT.

PRECAUTIONARY STATEMENTS: Avoid breathing dust. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.

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2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Inhalation: May cause irritation.

Skin contact: Way cause mechanical initiation.

Eye contact: May cause mechanical initiation.

Ingestion: To our knowledge, no effects are known.

Target Organs Effected: Respiratory System

Chronic Effects: Chronic exposure to the respirable fraction (particles less than 10 microns in size) of PVC particles, may produce pulmonary fibrosis. Particle sizes associated with suspension polymerization are typically greater than 10 microns in size. Product contains residual amounts of VCM (concentrations less than 10 ppm).

See Section 11: TOXICOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	Concentration (by weight %)	1 1,45 4.44	CAS -No.
Ethene, chloro-, homopolymer (PolyVinyl Chloride)	100		9002-86-2

4. FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

SKIN CONTACT: Wash contaminated areas with soap and water. IF IRRITATION OCCURS, GET MEDICAL

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. IF IRRITATION OCCURS, GET MEDICAL ATTENTION

INGESTION: No hazard expected. IF LARGE AMOUNTS ARE INGESTED, GET MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

Fire Hazard: Slight fire hazard. Although unlikely, dust/air mixtures may pose a limited risk of explosion under certain conditions (see Section 7).

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5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.

Fire Fighting: Keep unnecessary people away, isolate hazard area and deriv entry. Move container from fire area if it can be done without risk. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Cool extinguished material to prevent decomposition.

Sensitivity to Mechanical Impact: Not sensitive.

Electrostatic charges may build up during handling. Ground equipment. Sensitivity to Static Discharge:

Flash point:

736 (°F) 391 (°C)

Method:

ASTM D1929

Autolgaltion Temperature:

849 (°F) 454 (°C)

Hazardous Combustion Products: Hydrogen chloride, oxides of carbon, small amounts of benzene and aromatic and aliphatic hydrocarbons and Phosgene

6. ACCIDENTAL RELEASE MEASURES

Occupational Release:

Eliminate all sources of ignition. To minimize dust, vacuum cleaning is preferred. Collect spilled material in appropriate container for disposal. Keep product and flush water out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

7. HANDLING AND STORAGE

Storage Conditions: Store and handle in accordance with all current regulations and standards. Keep container tightly closed and property labeled. Store in a cool, dry area, Store in a well-ventilated area. Avoid heat, flames, sparks and other sources of ignition. Ground equipment

Handling Procedures: Use methods to minimize generation of dust. PVC dust is capable of propagating a secondary dust explosion. This potential can be reduced by good housekeeping, prevention of dust from process equipment, preventing accumulation of dust on overhead, horizontal surfaces and eliminating potential ignition sources. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. PVC resin processing may result in the release of low levels of vinyl chloride. Use only in well-ventilated areas.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Nezardous Component	CAS - No.	OSHA Final PEL TWA	OSHA Final PEL STEL	OSKA Final PEL
Ethene, chloro-, homopolymer (PolyVinyl Chloride) listed as Particulate Not Otherwise Classified (PNOC)		15 mg/m3 total dust; 5 mg/m3 respirable fraction.	lista in the dis	

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The Non-Regulatory OSHA limit Hazardous Component	CAS - No.	ACGIH TWA	ACGIH STEL	Ceiting	TWA	OSHA STEL (Vacated)	(Vacated)
Ethene, chloro-, homopolymer (PolyVinyl Chloride)	9002-86-2	1 mg/m3 Respirable Particulate Matter	-				

Additional Advice: The fabrication processes for the final product may involve coating, calendering, and molding. To assess the health hazards associated with exposure to compounded PVC dusts, it may be necessary to have information; arting on the results of the second of the second on the ingredients used in the compounding of the resin.

ENGINEERING CONTROLS: Provide local exhaust ventilation where dust or vapors may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Safety glasses or goggles are recommended when there is a potential for eye contact.

Skin and Body Protection: Wear suitable protective clothing.

Hand Protection: Wear suitable gloves.

Protective Material Types: Polyvinyl chloride (PVC), Tyvek®

Respiratory Protection: A NIOSH approved respirator with N95 cartridges may be permissible under certain circumstances where airborne concentrations of dust are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Solid

Appearance:

Powder, Granular

Color:

White

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9. PHYSICAL AND CHEMICAL PROPERTIES

Odor Threshold

No data available

Molecular Formula:

· (C2H3Cl)n

Boiling Point/Range:

Not applicable No data available

Melting Point/Range: **Vapor Pressure:**

Not applicable

Vapor Density (air=1):

Not applicable

Specific Gravity (water=1):

1.4

Density:

1.4 gm/cm3

Water Solubility:

Negligible[®]

pH:

Not applicable

Volatility:

Not applicable

Evaporation Rate (ether=1):

Not applicable

Partition Coefficient (n-

octanol/water):

No data available

10. STABILITY AND REACTIVITY

Reactivity/ Stability:

Stable at normal temperatures and pressures.

Conditions to Avoid:

Avoid heat, flames, sparks and other sources of ignition.

Incompatibilities/

None known

Materials to Avoid:

Hazardous Decomposition

Products:

Hydrochloric acid, carbon oxides, small amounts of benzene and aromatic and

aliphatic hydrocarbons, Phosgene

Hazardous Polymerization:

PVC is a stable polymer and will not further polymerize. This material will not

depolymerize to form VCM.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

This material is practically non-toxic by the oral route. This material is unlikely to cause chemical skin imitation. Mechanical irritation may occur. Eye irritation may occur from the mechanical action of lodged particles. Vinyl chloride monomer (VGM) is NOT likely to be present at levels that would produce an acute biological effect. Acute biological effects of VCM include CNS and respiratory depression.

CHRONIC TOXICITY:

The available evidence from experimental animals and from humans indicates that pure PVC is not metabolized in mammals. Several studies have described pulmonary fibrosis from inhalation of high levels of respirable PVC particles. PVC resin particles generated by suspension polymerization are generally large enough in diameter that the majority are not considered respirable. Vinyl chloride monomer (VCM) is NOT likely to be present at levels that would produce a chronic biological effect. Chronic biological effects of VCM include damage to the liver, which causes angiosarcoma of the liver (a rare form of liver cancer in humans) and Raynaud's syndrome (bone loss in finger tips). Long latent period may exist between exposure and symptom onset.

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11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: This material is not classified as a carcinogen by NTP, IARC or OSHA.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY: No data available. This material is believed to be practically non-toxic to aquatic life.

FATE AND TRANSPORT:

BIODEGRADATION: PVC will not biodegrade.

PERSISTENCE: This material will persist in the environment.

BIOCONCENTRATION: This material will not bioconcentrate.

ADDITIONAL ECOLOGICAL INFORMATION: This material is believed to be practically non-toxic to terrestrial organisms.

13. DISPOSAL CONSIDERATIONS

Reuse or reprocess, if possible. Dispose in accordance with all applicable regulations. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number(s): D043.

14. TRANSPORT INFORMATION

U.S.DOT 49 CFR 172.101:

Status: Not regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

Status: Not regulated

15. REGULATORY INFORMATION

U.S. REGULATIONS

OSHA REGULATORY STATUS:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) (US): A control of the second of the

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15. REGULATORY INFORMATION

CERCLA SECTIONS 1029/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

1 lb RQ Vinyl Chloride

Not regulated

EPCRA SECTION 313 (40 CFR 372.65): Not regulated.

OSHA SPECIFICALLY REGULATED SUBSTANCES (ADDITIONAL INFORMATION / REFERENCE): OSHA 29 CFR 1910.1017 (Vinyl chloride); The U.S. Department of Labor, Occupational Safety and Flealth Administration specifically regulates manufacturing, handling and processing of polyvinyl chloride. Such regulations have been published at 29 CFR 1910.1017. It is necessary that handlers and processors of polyvinyl chloride be familiar with these regulations. This resin may contain low levels of vinyl chloride. Under normal working conditions with adequate ventilation, neither the OSHA 8-hour TWA-PEL of 1.0 ppm, the 0.5 ppm action level, nor the C/STEL of 5.0 ppm should be exceeded. The workplace should be monitored, and if the level exceeds the PELs or action levels, refer to 29 CFR 1910.1017. In addition, all containers of PVC Resin shall be legibly labeled with the following warning: POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE. VINYL CHLORIDE IS A KNOWN HUMAN CARCINOGEN.

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Not regulated

- U.S. INVENTORY STATUS (TSCA): All components are listed or exempt
- TSCA 12(b): This product is not subject to export notification MIS CONTROL OF A SECURE OF A S

CANADIAN DOMESTIC SUBSTANCE LIST (DSLINDSL): All components are listed.

Ethene, chloro-, homopolymer (PolyVi	inyl Chloride)
California Proposition 65 Cancer WARNING:	Not Listed
California Proposition 65 CRT List - Idale	Not Listed
reproductive toxin: California Proposition 65 CRT List - Female reproductive toxin:	Not Listed
Massachusetts Right to Know Hazardous Substance List	Not Listed
New Jersey Right to Know Hazardous Substance List	Not Listed
New Jersey Special Health Hazards Substance List	Not Listed
New Jersey - Environmental Hazardous Substance List	Listed
Pennsylvania Right to Know Hazardous Substance List	Not Listed Not Listed
Pennsylvania Right to Know Special Hazardous Substances	Not Listed
Pennsylvania Right to Know Environmental Hazard List	Not Listed

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 Rhode Island Right to Know Hazardous Substance List	Late Between		Not Listed
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CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

	Ethene, chloro-, homopolymer (PolyVinyl Chloride)				
2 154.	Canada - CEPA Schedule (T	oxic Substance list			Not Listed
	CANADIAN DOMESTIC SUBS	TANCE LIST (DSL/NDSL):			Listed
	WHMIS Classification:			Uncontrolled product ac WHMS classificati	cording to on criteria

16. OTHER INFORMATION

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health:

Flammability:

Reactivity:

NFPA 704 - Hazard Identification Ratings (SCALE 0-4) Health:

Flammability:

Reason for Revision:

Product Name and/or Trade Name(s) has been revised: SEE SECTION 4.

IMPORTANT:

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Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to your employees.

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